

YU. KHALOVSKAYA, Ye. M.
PINIGIN, A.F.; VYBOROV, G.P.; PETUKHOVA, O.S.; ISTOMINA, T.I.; YUZHKOVA, R.N.;
KOBETS, B.V.; SVETNIKOVA, L.D.; ZELIKMAN, Yu. Ye.; PADAIKO, Z.P.;
MIKHAILOVSKAYA, Ye. M.; KALMYKOVA, A.D.; KOSTERIN, V.V.; BELKO, V.I.;
KOSTENKO; KOSIKHIN

Distribution of brucellosis in Eastern Siberia and the Far East.
Tez. i dokl. konf. Irk. gos. nauch.-issl. protivochum. inst. no. 2:55-56
'57. (MIRA 11:3)

(SIBERIA, EASTERN--BRUCELLOSIS)
(SOVIET FAR EAST--BRUCELLOSIS)

bc

Effect of nitrogen fertilizers on the yield and quality of sugar beets. A. G. Mikhaylovskii (Udohr. Urozhai. 1950, 2, 633-636). On degraded chernozem $(NH_4)_2SO_4$ was most effective, being followed by urea. NH_4Cl and Lanna-salt-petre: $NaNO_3$ and $CaCN_2$ gave negative results. $NaNO_3$ and urea increased, whilst Lanna-salt-petre and NH_4Cl decreased, the sugar content. $CaCN_2$ and $NaNO_3$ gave the greatest amount of melanogenic N. Without P the increase for N was 5% with P, 16%.

CHEMICAL ABSTRACTS

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

15000 15100 15200 15300 15400 15500 15600 15700 15800 15900 16000 16100 16200 16300 16400 16500 16600 16700 16800 16900 17000 17100 17200 17300 17400 17500 17600 17700 17800 17900 18000 18100 18200 18300 18400 18500 18600 18700 18800 18900 19000 19100 19200 19300 19400 19500 19600 19700 19800 19900 20000 20100 20200 20300 20400 20500 20600 20700 20800 20900 21000 21100 21200 21300 21400 21500 21600 21700 21800 21900 22000 22100 22200 22300 22400 22500 22600 22700 22800 22900 23000 23100 23200 23300 23400 23500 23600 23700 23800 23900 24000 24100 24200 24300 24400 24500 24600 24700 24800 24900 25000 25100 25200 25300 25400 25500 25600 25700 25800 25900 26000 26100 26200 26300 26400 26500 26600 26700 26800 26900 27000 27100 27200 27300 27400 27500 27600 27700 27800 27900 28000 28100 28200 28300 28400 28500 28600 28700 28800 28900 29000 29100 29200 29300 29400 29500 29600 29700 29800 29900 30000 30100 30200 30300 30400 30500 30600 30700 30800 30900 31000 31100 31200 31300 31400 31500 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Physiology
11B12012012

C. A.
1951

Vernalization of seeds of cotton plant in manganese salt solutions A. G. Mikhukovskii and G. A. Piontskii
Doklady Akad. Nauk S.S.S.R. 78, 587 (1951) Soaking cotton seeds in 0.5% $MnSO_4$ 1 day at low temp. (20°) at the beginning of vernalization, or in 0.05% soln at the end of vernalization (5th day) at higher temp. (25°) leads to better and more uniform production of cotton fiber by the resulting plant, with a reduced period before opening of the cotton capsules (12 days), and gives higher yield per plant. The plants reach maturity and begin to age more rapidly after the Mn treatment G. M. Kosolapov

GTRSPL Vol. 5-No. 1 Jan. 1952

Porutski, G.V. and Mikhalovskii, A.G. (Institute of Plant Physiology and Agricultural Chemistry, Ukrainian S.S.R. Academy of Sciences), Changes in the water content of the cotton plant under the influence of extracts from the leaves of *Lavatera trimestris* L., 799-801

Akademiya Nauk, S.S.S.R., Doklady

Vol. 78, No. 4

1951

PORUTSKIY, G., MIKHALOVSKIY, A. [G]

Cotton Growing

Influence of growing conditions on the quick ripening of the cotton plant.
Khlopkovodstvo No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

MIKHALOVSKIY, A.G.; SOPEL'NYAK, M.M.

Preplanting treatment of clover seed with solutions of microelements.
Sovet. Agron. 11, No.3, 70-2 '53. (MLRA 6:3)
(CA 47 no.14:7146 '53)

1. Kiev Agr. Inst.

MIKHAILOVSKIY A-G

The physiological and biochemical character of winter-resistant ridge-growing clovers. A. G. Mikhailovskii and I. B. Novakavakaya. Prirody Porybeniya Ustachivost' Osmot. Pihenitry i Klovera Protiv Neblagospe. Ustachivost' Sredy, Izdatel. Akad. Nauk Ukr. S.S.R. (Kiev) 1954, 116-42; Referat. Zhur. Khim., Biol. Khim. 1955, No. 184. During the winter there is an accumulation of disaccharides in winter-resistant varieties of clover, explained by the increased amylase activity. Sucrose synthesis increases in winter-resistant clover varieties in the fall and remains high throughout the entire cold period. Such clovers are characterized by a high content of hydrophilic colloids. As the temp. falls the activity of peroxidase and catalase and the quantity of nonprotein N increase. B. S. Loxine

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MIKHALOVSKIY, A. G.

Speeding up the development and maturity of corn by means of vernalization of seed. A. G. Mikhailovskiy and T. D. Mel'nik. *Zemledelie* 4, No. 4, 91-3 (1956). Soaking the seed with 0.008% CuSO_4 and following with vernalization for 15 days (keeping seed for 30 hrs. in contact with water, 100 parts of grain to 35 parts of H_2O by wt., covered with a wet cloth for 12 hrs., followed by exposing seed to 5-8°) increased the yield and reduced the time of maturing the plant.

I. S. Ioffe

MIKHALOVSKIY, A.G., professor; CHERNILEVSKIY, N.S.

Effect of fertilizers on yields of lupine and physical properties
of turf-Podzolic soils. Zemledelie 4 no.11:115-117 N '56.

(MIRA 10:2)

1. Ukrainskaya sel'skokhozyaystvennaya akademiya.
(Fertilizers and manures) (Polesye--Lupine)

MIKHALOVSKIY, A. G.

USSR/Soil Cultivation. Cultivation. Melioration. Erosion.

J-5

Abs Jour: Ref Zhur-Biologiya, No 1, 1958, 1291.

Author : Mikhalovskiy, A.G.

Inst : Ukrainian Agricultural Academy.

Title : Methods of Treating Soil by T.S. Mal'tsev's Method as Applied to Soil and Climate Conditions of the Ukraine.

Orig Pub: Nauchn. tr. Ukr. s.-kh. akad., 1956, 8, 25-30.

Abstract: It is recommended that in Ukrainian Poles'ye deep plowing without the moldboard be tested on lupine and potatoes. The cover crop under flax should also be plowed without using the moldboard. For preparing the soil for spring grain and bean-legume crops a shallow autumn plowing, with another one just before sowing, is suggested. With saline soils a deep plowing without the moldboard must be combined with preliminary application of gypsum and organic fertilizers at a depth of 12-14 cm.

Card : 1/1

-3-

MIKHALOVSKIY, A.G., doktor sel'skokhozyaystvennykh nauk; KALIBERDA, V.I.,
kand. biol. nauk; VESELOVSKIY, I.V., kand. biol. nauk.

Experience gained from grassland crop rotations practiced in the
Ukrainian Polesye. Zemledelia 6 no.9:35-39 S '58. (MIRA 11:9)
(Polesye--Rotation of crops)

MIKHALOVSKIY, A.G., prof.; PALIYENKO, M.Ya.

Chemical weed control. Zemledelie 7 no.1:67-70 Ja '59.
(MIRA 12:1)

(Weed control) (Herbicides)

MIKHALOVSKIY, A.G., doktor sel'skokhozyaystvennykh nauk, prof.; KALIBERDA,
V.M., assistant; YAVORSKIY, A.G., kand.sel'skokhozyaystvennykh nauk,
dtsent; VESELOVSKIY, I.V., kand.biologicheskikh nauk

Productivity of grassland crop rotations and measures for increasing
soil fertility in the Ukrainian Polesye. Nauch. trudy UASHN 10:3-16
'60. (MIRA 14:3)

(Polesye- Rotation of crops) (Soil fertility)

MIKHALOVSKIY, A.G., doktor sel'skokhozyaystvennykh nauk, prof.;
GERASIMENKO, Ye.V., kand.sel'skokhozyaystvennykh nauk ; KALIBERDA,
V.M., assistant

Effect of various tillage practices on field crop yields. Nauch.
trudy UASHN 10:17-23 '60. (MIRA 14:3)
(Tillage) (Field crops)

MIKHALOVSKIY, Arseniy Grigor'yevich [Mikhalovs'kiy, A.H.], doktor
sel'khoz. nauk; LISOGOROV, Sergey Dmitriyevich, [Lysoborov,
S.D.], doktor sel'khoz. nauk; BELOUSOVA, O.M., red.

[Farming systems] Systemy zemlerobstva. Kyiv, Derzhsil'hospvy-
dav URSR, 1962. 77 p. (MIRA 16:2)
(Ukraine--Agriculture)

VESELOVSKIY, Ivan Vasil'yevich[Veselovs'kyi, I.V.], dots.;
MIKHALOVSKIY, A.G.[Mykhalovs'kyi, A.H.], prof., red.;
YEPREMOV, M.V., red.; VERNIK, G.V.[Vernik, H.V.], tekhn.
red.

[Herbicides and their use in agriculture] Herbitsydy ta ikh
zastosuvannia v sil's'komu hospodarstvi. Kiev, Derzhsil'-
hospvydav URSR, 1964. 50 p. (MIRA 17:3)

MIRALYAN, A. V.

MIRALYAN, A. V. - "The effect of the position angle of the field of view on the heat and increase of field, Moscow, Inst. Acad. Sci. USSR, in: Statistical methods in the theory of the field, No. 1-2, 1958, p. 11-16.

So: "Moscow, 16 June 58, (Let's see 'Zl' and 'In' 30-01, " 1, 1).

MIKHALOVSKIY, V. A.

124-11-12379

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr 11, p 8 (USSR)

AUTHOR: Mikhailovskiy, V. A.

TITLE: On a Theory of the Motion of a Mass Particle along a Plane Engaged in Rotary Vibrational Motion. (K teorii dvizheniya material'noy chastitsy po rotatsionno-kolebatel'noy ploskosti)

PERIODICAL: Nauch. tr. Ukr. s. -kh. akad. , 1956, Vol 8, pp 387 - 392

ABSTRACT: Differential equations are established for the motion of a particle along a plane engaged in a circular vibrational motion about a stationary axis. Assuming that the particle does not become detached, the author reduces the problem to the integration of a second-order linear equation with periodic coefficients. The solution of the equation is sought in the form of a series according to powers of the time t .

V. S. Novoselov

Card 1/1

GARBER, R.I.; ZALIVADNYY, S.Ya.; MIKHALOVSKIY, V.M.

Changes in the microstructure of uranium due to cyclic heat treatment. Fiz.tver.tela 2 no.6:1052-1059 Je '60. (MIRA 13:8)

1. Fiziko-tekhnicheskiy institut AN USSR, Khar'kov.
(Uranium--Metallography)

MIKHALOVSKIY, Ye.; MODEL'SKIY, V.

Operative methods in the treatment of hypospadias. Urologia
no.4:32-43 '61. (MIRA 14:11)

1. Iz urologicheskogo otdeleniya (zav. - prof. Ye. Mikhalovskiy)
Krakovskoy meditsinskoy akademii.
(URETHRA--ABNORMITIES AND DEFORMITIES)

MIKHALOYTS, S.N.

(MIRA 16:3)

Tinnitus. Vestibulorin. no. 4:29-37 '62.

1. Iz Otorinolaringologicheskoy kliniki (zav. - prof. I.I. Potapov) i kafedry klinicheskoy i eksperimental'noy fiziologii (zav. - dotsent Ye.F. Polezhayev) Tsentral'nogo instituta usovershenstvovaniya vrachev, Moskva.
(EAR--DISEASES)

PAVLOV, O.V.; SPODYRYAK, N.T.; Prinimali uchastiye: BYSTRIKINA, F.M.;
MIKHAL'SKAYA, L.M.; GULAK, L.A.

Investigating the coals of the Kumyskuduk deposit of the
Upper Sokur coal-bearing region. Izv. AN Kazakh. SSR. Ser.
tekhn. i khim. nauk no.2:111-115 '63. (MIRA 17:2)

MIKHAL'SKAYA, R.N.

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(2)

B. T. R.
Vol. 3 No. 4
Apr. 1954
Thermodynamics

5763 Analysis of the Influence of the Physical Properties of an Active Body on the Magnitude of Irreversible Losses of Return Circulatory Processes. (Russian.) L. M. Lorenfeld and R. N. Mikhail'skaya. *Doklady Akademii Nauk SSSR*, v. 83, no. 2, Nov. 11, 1953, p. 280-272. Presents an analysis of physical properties of vapors of boiling liquids. Tables, graphs. 9 ref.

4/17/54

Leningrad Inst. Refrigeration & Milk Industry.

W. 10-22-58 4/4 A A
ROZENFEL'D, L.M., doktor tekhn. nauk, prof.: MIKHAL'SKAYA, R.N., inzh.

Thermodynamic analysis of the theoretical cycle of a refrigeration
nit with internal heat exchange. Trudy LTIKHP 5:15-28 '54.
(Refrigeration and refrigerating machinery) (MIRA 11:3)
(Heat pumps)

ROZENFEL'D, L., professor, doktor tekhnicheskikh nauk; MIKHAL'SKAYA, R.,
inshener.

Analysis of non-recoverable losses in theoretical cycles of refrigerating
machines with different working units. Kho.tekh.31 no.1:51-55 Ja-Mr '54.
(MLRA 7:4)

(Refrigeration and refrigerating machinery)

MIKHAIL'SKAYA, R.
MIKHAIL'SKAYA, R., insh.

Investigating the thermodynamic cycle of a vapor refrigeration
machine with regeneration. Khol. tekhn. 34 no. 4:42-47 O-D '57.
(Refrigeration and refrigerating machinery) (MIRA 11:1)
(Thermodynamics)

ROZENFEL'D, Lev Markovich, prof., doktor tekhn.nauk; TKACHEV, Anatoliy Georgiyevich, prof., doktor tekhn.nauk; GUREVICH, Yevgeniy Semenovich, inzh.; ONOSOVSKIY, V.V., inzh.; SERDAKOV, G.S., inzh.; TSYRLIN, B.L., inzh.; KALNIN', I.M., inzh.; ROMANOVSKIY, N.V., inzh.; YATSUNOV, I.P., inzh.; DANILOVA, G.N., dotsent; MIKHAL'SKAYA, R.N., inzh.; KARNAUKH, M.S., inzh.; STUKALENKO, A.K., inzh.; IL'IN, A.Ya., inzh.; TSIPERSON, A.L., red.; BABICHEVA, V.V., tekhn.red.

[Examples and designs of refrigerating machines and apparatus]
 Primery i raschety kholodil'nykh mashin i apparatov. Moskva, Gos.
 izd-vo torg.lit-ry, 1960. 237 p. [Thermodynamic diagrams of
 the refrigerants used] Termodinamicheskie diagrammy rabochikh
 tel kholodil'nykh mashin. (MIRA 13:9)
 (Refrigeration and refrigerating machinery)

MIKHAL'SKAYA, R.N., inzh.

Testing of a freon compressor with intensive water cooling.
Khol.tekh. 39 no.6:28-31 N-D '62. (MIRA 15:12)

1. Leningradskiy tekhnologicheskii institut kholodil'noy
promyshlennosti.
(Compressors—Testing)

MIKHAL'SKAYA, Z., aspirantka

Controlling grain beetles. Zashch. rast. ot vred. i bol. 10
no.5:21 '65. (MIRA 18:6)

1. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva
Yugo-Vostoka, Saratov.

VORONIN, G.N.; MIKHAL'SKAYA, Z.P.; RIKKL', A.V.

Morphological changes of the pancreas during the development of experimental diabetes. Biul. eksp. biol. i med. 54 no.12:103-105 D'62. (MIRA 16:6)

1. Iz laboratorii obshchey fiziologii imeni K.M.Bykova (zav. prof. A.V.Rikkl') i eksperimental'noy gistologii (zav. - prof. V.P.Mikhaylov) Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad. Predstavlera deystvitel'nykh chlenom AMN SSSR S.V. Anichkovym.

(PANCREAS—DISEASES) (DIABETES)

MAMYKIN, Petr Sergeyevich, doktor tekhn. nauk; LEVCHENKO, Petr Vasil'yevich, kand. tekhn. nauk; STRELOV, Konstantin Konstantinovich, kand. tekhn. nauk; MITKALINYY, V.I., retsenzent; MIKHAL'SKIY, A.A., retsenzent; BELOV, O.V., red.; SYRCHINA, M.M., red. izd-va; MAL'KOVA, N.T., tekhn. red.

[Kilns and driers of refractory plants] Pechi i sushila ogne-upornykh zavodov. [By] P.S. Mamykin i dr. Sverdlovsk, Metallurg-izdat, 1963. 471 p. (MIRA 16:2)
(Refractories industry—Equipment and supplies) (Kilns)

ANDREYEVSKAYA, G.D.; GORBATKINA, Yu.A.; GUSEVA, N.B.; KISELEV, B.A.;
MIKHAL'SKIY, A.I.; STEPANOVA, V.N.

Structural change in a network polymer under the effect of an
active organosilicon monomer. Vysokom.soad. 7 no.7:1254-1257
Л '65.

(MIRA 18:8)

1. Institut khimicheskoy fizik' AN SSSR.

Category : Diseases of Farm Animals.
General Problems. R-1
Abs. Jour : RZBiol., No. 4, 1959, No. 16780
Author : Mikhail'skiy, G. A.
Institut. : Moscow Academy of Veterinary Science.
Title : The Intramedullary Osteosynthesis with the Aid
of a Segmental Joint Pin in Fractures of the
Long Tubular Bones in Small Animals.
Orig. Pub. : Tr. Mosk. vet. akad., 1958, 22, No 1, 119-125
Abstract : No abstract.

Card: 1/1

1. KALININ, G.M., Acad Vet Sci (USSR) "The synthesis of long-chain alcohols in dogs." "Obshchaya Farmakol., 1959, 20 pp. (Acad Vet Sci USSR RSFSR. Ministry of Health and Hygiene, Moscow, 1959, 100 copies) (11, 20-1, 1960)

-6-

MIKHAL'SKIY, G. A. and ANTONOVA, M. E. (Candidates of Veterinary Sciences, Scientific-Industrial Laboratory for the Control of Diseases of the Offspring of Agricultural Animals, Ministry of Production and Procurement of Agricultural Products RSFSR).

"Problems of effectiveness of anti-pasteurellosis vaccines from strains AV and K"

Veterinariya, vol. 39, no. 9, September 1962, p. 47

MIKHAL'SKIY, G.A., kand.veterin.nauk; ANTONOVA, M.Ye., kand.veterin.nauk

Effectiveness of antipasteurellosis vaccines of strains AB and K.
Veterinariia 39 no.9:47-49 S '62. (MIRA 16:10)

1. Nauchno-proizvodstvennaya laboratoriya po bor'be s boleznyami
molodnyaka sel'skokhozyaystvennykh zhivotnykh Ministerstva proizvodstva
i zagotovok sel'skokhozyaystvennykh produktov RSFSR.

MIKHAL'SKIY, K.A., *hand.pedagogicheskikh nauk*

Functions obtained from differential equations of the
type. *Nauch.zap. MIIVKH* 21:363-370 '59.

(MIRA 13:8)

(Functions)

(Differential equations, Linear)

MIKHAL'SKIY, K.A., kand.pedagogicheskikh nauk

Infinitesimal values in three-dimensional geometry.

Nauch.zap. MII VKh 21:371-385 '59. (MIRA 13:8)

(Geometry, Infinitesimal)

Z
MIKHAL'SKIY, S.; VOROB'YEVA, A.
^

Establishing norms for the number of workers servicing coal mining
machinery. Sots.trud 5 no.8:96-99 ag '60. (MIRA 13:11)
(Coal mining machinery)

MIKHAL'SKIY, S.; KACHKO, Yu.

Improve methods for establishing norms in the coal industry.
Sots. trud 6 no. 7-88-92 J1 '61. (MIRA 16:7)

(Coal mines and mining--Production standards)

KLETKIN, A.G.; MIKHAIL'SKIY, S.Z.; DENISENKO, A.M.

Efficient means for determining the potentials of improvement
in mine operations. Ugol' Ukr. no.6:10-12 Je '61.

(MIRA 14:7)

1. Donetskii nauchno-issledovatel'skiy ugol'nyy institut.
(Coal mines and mining--Labor productivity)

PROKOPENKO, N.D.; DENISENKO, A.M.; MIKHAL'SKIY, S.Z.; KRYZHKO, I.D.;
KACHKO, Yu.Ya.; VYGOLKO, F.Ye.

Unification and strengthening of integrated mining norms in
development mining operations. Sbor. DonUGI no.28:181-208 '62.
(MIRA 16:8)

(Coal mines and mining—Management)

MIKHAIL

MIKHAIL IV,

Radio deviation work on submarines. Mor. sbor. 48 no. 5:82-83
wy '65. (MIRA 18:6)

MIKHAL'SKIY, V.A., kapitan 3-go ranga

Determining the elements of target movement by hydroacoustical
bearings. Mor. sbor. 47 no.9:50-56 S '64. (MIRA 18:7)

MIKHAL'SKIY, Vladislav Nikolayevich; POFALITOV, Anufriy Pavlovich;
MERKEL', Ya.P., inzh., retsenzent; BRAYLOVSKIY, N.G., inzh.,
red.; USENKO, L.A., tekhn. red.

[Organization of the conveyer method of car repairs;
experience of the Stryy Railroad Car Repair Plant] Organiza-
tsiia konveiernogo metoda remonta vagonov; opyt Stryiskogo
vagonoremontnogo zavoda. Moskva, Vses. izdatel'sko-poligr.
ob"edinenie M-va putei soobshcheniia, 1961. 79 p.

(MIRA 15:2)

(Stryy--Railroads--Repair shops)
(Assembly-line methods)

MIKHAL'SKIY, V. V., Cand Tech Sci -- (diss) "Effect of ^{earth fill} ~~bottling~~ upon ^{the} ~~the~~ construction properties of ~~banked soil~~ ^{Experiments at ...} in erecting hydraulic structures,"
Mos, 1958. 19 pp with drawings (Min of Agriculture USSR, Mos Inst of
Engineers of Water ~~Economy~~ ^{Hydrology} im V. R. Vil'yams), 120 copies (KL, 17-58, 108)

- 44 -

MIKHAL'SKIY, V.V., inzh.

Study of the interaction of the working, tamping parts of
soil-compaction machines with the soil. Stroil. i dor.
mash. 7 no.8:23-25 Ag '62. (MIRA 15:9)
(Soil stabilization)

15-57-4-5284
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,
p 171 (USSR)

AUTHORS: Sysoyev, N. N., Mikhail'tsev, I. Ye., Udintsev, G. P.,
Lisitsyn, A. P.

TITLE: The Potentialities of Studying the Thickness of Uncon-
solidated Marine Sediments by Seismo-Acoustical Methods
(Perspektivy izucheniya moshchnosti rykhlykh morskikh
otlozheniy seysmoakusticheskimi metodami)

PERIODICAL: Buyl. Soveta po seysmol. AN SSSR, 1956, Nr 2, pp 52-58.

ABSTRACT: The authors examine the potentialities of seismo-
acoustical investigations of the floor of the seas and
oceans. The apparatus for these studies (EKh0-52),
which permits the use of either reflected or refracted
waves, was designed and built at the Institute of
Oceanology (Oceanography and all related and pertinent
sciences) of the Academy of Sciences of the USSR in
consultation and cooperation with the Acoustical
Institute. The apparatus includes a detector with a

Card 1/2

The Potentialities of Studying the Thickness (Cont.)

15-57-4-5284

sensitive element of Rochelle salt, a specially constructed amplifier, and also an 8-loop oscillograph MPO-2 and an electronic oscillograph EO-4 with a photographic recorder. The apparatus was tested in the eastern part of the Black Sea and produced satisfactory results. Reflections were obtained from four horizons at depths of 180 m, 330 m, 470 m, and 570 m. The question is raised as to the possibility of forming tsunamis during underwater landslides.

L. L. V.

MIKHAL'TSEV, I. YE

20-6-15/48

AUTHORS: Lisitsyn, A.P., Mikhal'tsev, I.Ye., Sysoyev, N.N., Udintsev, G.B.

TITLE: New Data on the Thickness and on the Sedimentary Conditions of Soft Deposits in the Northwestern Part of the Pacific (Novyye dannyye o moshchnosti i usloviyakh zaleganiya rykhlykh otlozheniy severo-zapadnoy chasti Tikhogo Okeana)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 115, Nr 6, pp. 1107 - 1110 (USSR)

ABSTRACT: At present the Institute for Oceanology, AN USSR, investigates the thickness of the slack deposits on the bottom of the seas and oceans by seismic-acoustical methods. It is referred to former expeditions on board of the ship "Vityaz". In these investigations detonations of explosive charges of 400 g up to 120 kg served as sources of the elastical oscillations. These charges exploded according to the operational method either at the surface of the water or in a depth of 1 m or in depths between 50 and 70 m. The reflected waves were registered immediately at the point of the explosion or in different distances from it. The receivers were let down into depths of 30 to 150 m. The recorded signals were amplified and registered by a magneto-

Card 1/3

20-6-15/48

New Data on the Thickness and on the Sedimentary Conditions of Soft Deposits
in the Northwestern Part of the Pacific

electrical oscillograph. The present paper investigates the data obtained from the registration of the reflected waves immediately at the point of the explosion. The evaluation of these data gives evidence of the existence of several interfaces in the soft layer of deposits and these parting surfaces lie in different depths below the bottom of the sea. Southeast of the middle part of the Kuriles in all measuring points 2 to 3 reflecting layers were ascertained and the depth of these layers under the bottom of the sea is different in every point. One of these parting layers reflects the waves twice as much as the bottom of the sea. This parting interface was ascertained in a very far distance from the Haway underwater-ridge to the height of Zenkevich. Then the behavior of these layers east of the Japanese island Honshu (Khonsyn) and in the Philippines ditch is discussed. The results of these investigations obtained so far are not plenteous and their interpretation is not concluded yet. Nevertheless the following can already be said: These results are in good conformity with the results obtained by sonic altimeter and the accumulation of the deposits in the northwestern basin of the Pacific takes place irregularly. There are 1 figure, 2 tables and 1 references, 1 of which is Slavic.

Card 2/3

20-6-15/48

New Data on the Thickness and on the Sedimentary Conditions of Soft Deposits
in the Northwestern Part of the Pacific

ASSOCIATION: Institute for Oceanology, AN USSR
(Institut okeanologii Akademii nauk SSSR)

PRESENTED: March 20, 1957, by D.I. Shcherbakov, Academician

SUBMITTED: March 7, 1957

AVAILABLE: Library of Congress

Card 3/3

MIKHALTSEV, I. YE; ANDREYEVA, I.B.: LISITSYN, A.P.: UDINTSEV, G.B., NEPROCHNOV, YU.P.:
SYSOYEV, N.N.

"Results of Seismo-Acoustic Investigations of the Ocean Bottom"

A paper presented at international oceanographic Congress, from
31 AUG to Sep 59

80: B 3,142,129

22 Oct 59

PHASE I BOOK EXPLOITATION

80V/5331

International Geological Congress. 21st, Copenhagen, 1960.

Morskaya geologiya (Marine Geology) Moscow, Izd-vo AN SSSR, 1960. 205 p. 2,500 copies printed. (Series: Doklady sovetskikh geologov, problema 10)

Editorial Board: P. L. Bezrukov, Resp. Ed.; A. V. Zhurav, V. P. Zerkovich and O. B. Udintsev; Ed. of Publishing House: V. S. Shchegolev; Tech. Ed.: V. Karpov.

PURPOSE: This book is intended for geologists and oceanographers.

CONTENTS: The book contains 18 articles representing the reports given by Soviet geologists at the 21st. International Geological Congress. Individual articles deal with the bottom topography, sedimentation, and tectonics of oceans (Western Pacific and Southern Indian), as well as the geomorphology and tectonics of the Black and Caspian Seas and Soviet sectors of the Baltic. An English résumé accompanies each article. No personalities

Sidorov, M. M., I. Ya. Mikhailov, O. B. Udintsev, I. B. Andreyeva, A. P. Melitsyn, and Yu. I. Neporochny. Results of Seismic-Acoustic Investigations of the World's Crust Under Seas and Oceans 35

Saidova, Kh. M. Stratigraphy of Sediments and the Paleogeography of the Northwestern Pacific and the Far Eastern Seas of the USSR According to Sea-Bottom Foraminifers 59

Melitsyn, A. P. Formation of Sediments in the Southern Pacific and Indian Oceans 69

Lapina, M. M., and N. A. Belov. Bottom Sedimentation Conditions in the Arctic Ocean 88

Godcharov, V. P., and Yu. P. Neporochny. Bottom Geomorphology and Tectonic Problems of the Black Sea 94

Solov'ev, V. P., L. S. Kulakov, and O. V. Akopov. Relief and Recent Floor Structure of the Southern Caspian Sea 105

Gershonovich, D. Ye. Recent Shelf Deposits in the Marginal Seas of Northeast Asia 116

Klenova, M. V. The Geology of the Barents Sea 123

Gorshkova, T. I. Sediments in the Norwegian Sea 132

Taksova, N. V. Study of the Diagenesis of Some Marine Sediments 140

Zerkovich, V. P., O. K. Leont'yev, and Ye. M. Reven'skiy. The Influence of the Eustatic Post-Glacial Transgression on the Development of the Coastal Zone of Soviet Seas 154

Ayublatov, M. A., V. L. Moldyrev, and V. P. Zerkovich. Some New Data on Sediment Streams Along Shores 164

Pudanov, V. I., A. S. Ionin, P. A. Kuzlin, and V. S. Medvedev. Recent Vertical Movements of Seashores in the Soviet Union 175

Leont'yev, O. K. Types and Formation of Lagoons on Recent Seashores 188

Card 4-2

(2)

S/169/62/000/009/098/120
D228/D307

AUTHOR: Mikhal'tsev, I. Ye.

TITLE: First Atlantic expedition of the Akademiya nauk SSSR
(Academy of Sciences, USSR) on the vessels "Sergey
Vavilov" and "Petr Lebedev"

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 4, ab-
stract 9V23 (Okeanologiya, 1, no. 6, 1961, 1089-1093)

TEXT: On the first voyage of the ships (December 25, 1960, to May
12, 1961) the expedition's task included the complex study of vari-
ous Atlantic areas and also the testing of shipboard mechanism and
gear systems under different climatic conditions. The complex oce-
an research specified the use of optical, acoustic, and radio+en-
gineering techniques simultaneously with standard oceanologic me-
thods. Investigations were made in predetermined ocean areas and
not on routes and sections of great extent. This synthesis of the
work was recognized as correct, especially for the two ships, in
connection with the problem of studying in more detail the ocean's

Card 1/2

First Atlantic expedition ...

S/169/62/000/009/098/120
D228/D307

physics, the structure of water masses, and the population density and geologic characteristic of the ocean regions under investigation. 4 characteristic areas of the Atlantic were chosen for this voyage. About 2500 thermometric soundings of near-surface layers to a depth of 300 - 700 m were carried out during the expedition's operations, as were more than 180 "suspended" and bottom bathythermometric stations. 56 catches were made at different depths by means of an Isaacs-Kidd trawl (numerous deep-sea animal species were captured). Up to 35 bottom ground samples were taken by means of bottom-dredgers and pipes. The vessels "Sergey Vavilov" and "Petr Lebedev" are briefly described. [Abstracter's note: Complete translation.] ✓

Card 2/2

BRITISH, L. H. H.

"Acoustical Institute"

report submitted for
Copenhagen, Denmark

Acoustical Institute of

L 24684-66

ACC NR: AP6015525

SOURCE CODE: UR/0096/65/000/005/0007/0016

AUTHOR: Uvarov, V. V. (Doctor of technical sciences; Professor); Beknev, V. S. (Candidate of technical sciences); Kikhal'tsev, V. Ye. (Candidate of technical sciences); Chernobrovkin, A. P. (Candidate of technical sciences); Lapin, Yu. D. (Engineer); Cherepnin, L. S. (Engineer)

40
B

ORG: MVTU im. Bauman

TITLE: High-efficiency 200 megawatt gas-turbine installation

SOURCE: Teploenergetika, no. 5, 1965, 7-16

TOPIC TAGS: gas turbine, electric power plant

ABSTRACT: The advantages of building a high pressure non-regenerative 200 megawatt gas-turbine installation with an approximate weight factor of 3.5 kg/kw are described. This factor is 2.5 times smaller than in steam gas installations and seven times smaller than in steam power installations. Calculations indicate that a gas-turbine installation requires about 50% lower capital investment as compared to a steam power installation, lowers the volume and cost of the main structure three times and the cost per kilowatt-hour not less than 15%. The possibility of building powerful gas-turbine installations with gas temperature of 750-800°C is indicated. Adoption of still higher temperature up to 1200°C, will increase the efficiency to 53-55% and double the power. Orig. art. has: 10 figures and 5 tables. [JPRS]

SUB CODE: 10 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 001

Card 1/1

UDC: 621.438.001.5

30245

S/145/60/000/102/013/020
D221/D302

26.2120

26.1120

AUTHOR: Mikhal'tsev, V.Ye., Candidate of Technical Sciences,
Docent

TITLE: Effectiveness of the cycle with periodic combustion

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashino-
stroyeniye, no. 2, 1960, 134 - 144

TEXT: The author considers the operation of cycle with $v = \text{const}$ as investigated by A. Stodola, which differs in parameters of a similar arrangement in gas turbine of Holzwarth. In the former, the compressed air fills the combustion chamber, expelling residual gases through turbine at constant pressure in the chamber. In the Holzwarth cycle pressure increases. The author compares cycles at equal mean temperatures of un-cooled blades in first stages of turbine (T_b) and assuming $p = \text{const}$ at nozzles, and $v = \text{const}$ in the turbine. Temperature T_b corresponds to that of braking the gas at relative speed w_1 . Ratio of compression in cycle $v = \text{const}$ (π_v) is assumed as being similar to ratio in the cycle $p = \text{const}$ (π_p). ✓

Card 1/4

30245

S/145/60/000/002/015/020
D221/D302

Effectiveness of the cycle with ...

No regeneration or intermediate cooling was used. From data quoted it follows that depending on the method of comparison, the advantage in the economy of cycle with $v = \text{const}$ varies from 6 to 27 %, whereas the effective work may form 80 to 135 % of effective work in $p = \text{const}$ cycle. Graphs indicate the advantages in specific power as well as fuel consumption related to ratio of compression π . The use of $v = \text{const}$ cycle is connected with design difficulties, such as lasting nozzle valves, elimination of chamber vibrations etc. It is also necessary to reduce losses due to the transient character of processes. The application of single valve chamber of periodic combustion is one of the means, when the cycle is illustrated by plots in coordinates $p - v$ (Fig. 2). Two extreme conditions can be assumed: With gas cushion, and with full filling which differ from each other by the amount of fresh charge entering the chamber. The volume of cushion is selected so that its time of exhaust equals the duration of combustion. The author gives some mathematical elaboration of the problem which is based on the work of Professor V.V. Uvarev (ref. 10: Kharakteristiki i tsionnoy gazovoy turbiny s vintom (Characteristics of an Aviation Gas Tur-

Card 2, 74

30245

S/145/60/000/002/013/020

D221/D302

Effectiveness of the cycle with ...

bine with Propeller], Oborongiz, 1946). A deduction is made that the process of combustion for given initial parameters depends only on the ratio of nozzle area f_c to the rate of heat produced β , in Kcal/sec. In the case of work^c with full filling, the process is determined by the ratio of f_c to the product of volume V , and bulk rate of heat produced β . The absence of cushion causes an increase of pressure at the end of combustion when compared to previous process. Consequently, the work available H_t , effective work and coefficient of efficiency are greater. However, the time of filling the chamber, time of combustion and expansion exceed those of the process with a cushion, therefore, the number of cycles is smaller. This is advantageous for easing the work of the fuel apparatus. Comparison of effectiveness for equal relative characteristics of chambers ($s = s'$) indicates that the full filling process is superior. Calculations prove that effectiveness of periodic combustion rises with the reduction of f_c and increase of β . Tests of piston engines allow determination of the rate of combustion and the corresponding rate of heat production. In the experimental chamber of periodic combustion with water cooling and forced com-

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30245

Effectiveness of the cycle with ...

S/145/60/000/002/013/020
D221/D302

bustion, D.F. Bozhko obtained a relatively low rate of heat production in experiments of 1948. Higher values ensued in later tests. The author carried out investigations with a single valve chamber and various nozzles. Damage to the latter's springs was observed due to large surface stresses at the instant of valve impact. Further work on increasing their life is necessary. The quality of periodic combustion was measured by the relative effective increase of mean pressure. Analysis of results permitted some relationship of the process effectiveness to frequency of cycles, coefficient of air surplus, pressure and character of fuel spray, mean speed of air and other parameters to be evolved. A further increase of the combustion rate would enhance the effectiveness of the cycle. In small gas turbines the use of periodic combustion should be particularly advantageous. There are 7 figures, 1 table and 11 references: 10 Soviet-bloc and 1 non-Soviet-bloc. ✓

ASSOCIATION: MVTU im. Bauman (MVTU im. Bauman)

SUBMITTED: December 15, 1959

Card 4/54

UVAROV, Vladimir Vasil'yevich; BEKNEV, Viktor Sergeyevich; GRYAZNOV,
Nikolay Dmitriyevich; MIKHAIL'TSEV, Vsevolod Yevgen'yevich;
MUSATOV, Aleksandr Konstantinovich; PCHELKIN, Yuriy Mikhaylovich;
CHERNOBROVKIN, Aleksey Petrovich; YUNOSHEV, Viktor Dmitriyevich;
BARTASH, Ye.T., kand. tekhn.nauk, retsenzent; GALANOVA, M.S., inzh.,
red. izd-va; UVAROVA, A.F., tekhn. red.

[Gas-turbine units for locomotives; design and calculation] Loko-
motivnye gazoturbinnye ustanovki; raschet i proektirovanie. [By]
V.V.Uvarov i dr. Moskva, Mashgiz, 1962. 547 p. (MIRA 15:9)
(Gas-turbine locomotives)

S/0145/63/000/001/0069/0080

ACCESSION NO: AP3000492

AUTHOR: Mikhail'tsev, V. Ye. (Candidate of technical sciences, Docent)

TITLE: Selection of parameters and configuration for an economical high temperature gas turbine installation

SOURCE: Izv. VUZ: Mashinostroyeniye, no. 1, 1963, 69-80

TOPIC TAGS: gas turbine, high temperature gas turbine, gas turbine cooling, regenerator, gas turbine cycle efficiency

ABSTRACT: A preliminary investigation of the thermodynamic cycle, parameters, and components for a 4000 kw gas turbine with a turbine inlet temperature of 1200C and an efficiency of 35-40% was performed. The efficiency as a function of pressure ratios ($\pi = 4-40$) was calculated for a simple cycle, a cycle with intercooling, a cycle with a regenerator and intercooling, and a cycle with only regeneration. It was found that the third configuration would give an efficiency of 40% at $\pi = 12$ (assuming usual losses). Since in a high-temperature turbine the cooling losses are of primary importance, turbine efficiency was modified by $\eta\pi = \eta\pi_0(1 - \xi_c)$ (where $\eta\pi_0$, $\eta\pi$ = turbine efficiency without and with cooling respectively, ξ_c = cooling losses). Operation at partial capacity was investigated for the

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ACCESSION NO: AP3000492

configurations shown in Fig. 1 on the Enclosure. It was found that for: 2BV - the efficiency drops 2% at 50% capacity, 11% at 25% capacity; 2BN - efficiency drops 22% at 50% capacity; 2BN_x - efficiency drops 13% at 50% capacity; 2BV_x - efficiency drops 17% at 50% capacity. Thus configuration 2BV, which shows very good partial capacity operation and is 10-11% more economical than the other configurations, appears best suited. Although these calculations were performed with assumed loss values, refined calculations should change the figures by at most 3%. Orig. art. has: 5 figures and 4 formulas.

ASSOCIATION: MVTU im. N. E. Baumana (MVTU)

SUBMITTED: 25Apr62

DATE ACQ: 21Jun63

ENCL: 01

SUB CODE: PR, AI

NO REF SOV: 004

OTHER: 000

Card 2/12

MIKHAL'TSEV, V.Ye.

Determination of relative fuel consumption in gas-turbine units.
Izv.vys.ucheb.zav.; mashinostr. no.6:114-122 '63. (MIRA 16:10)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Bauman.

MIKHAL'TSEV, V.Ye., kand. tekhn. nauk, dotsent; SYROMYATNIKOVA,
L.I., inzh.

Economic efficiency of a multiple-unit gas-turbine installation under partial power conditions. Izv. vys. ucheb. zav.; mashinostr. no.9:154-162 '63. (MIRA 17:3)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana.

MIKHAL'TSEV, V.Ye., kand. tekhn. nauk, dotsent

Selecting control programming of multishaft gas-turbine
units. Izv. vys. ucheb. zav.; mashinostr. no.9:163-173
'63. (MIRA 17:3)

1. Moskovskoye vysshaye tekhnicheskoye uchilishche imeni
Baumana.

UVAROV, V.V., doktor tekhn. nauk. prof.; BEKNEV, V.S., kand. tekhn. nauk;
MIKHAI'L'TSEV, V.Ye., kand. tekhn. nauk; CHERNOBROVKIN, A.P., kand.
tekhn. nauk; LAPIN, Yu.D., inzh.; CHEREPNIN, L.S., inzh.

Highly efficient gas turbine unit with 200Mw. rating. Teploenergetika
12 no.5:7-16 My '65. (MIRA 18:5)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana.

MIKHAIL' DREV, Ye. V.

Railroads

DECLASSIFIED

c. '61/

see ILC

1962/
/E

L 6451-66 EWT(1)/T/EED(b)-3 IJP(c)
ACCESSION NR: AP5019858

UR/0181/65/007/008/2413/2416

AUTHOR: Aref'yev, I. M.; Bazhulin, P. A.; ^{44,5}Mikhail'tseva, T. V. ^{44,5}

TITLE: Long wave infrared transmission spectra of KH_2PO_4

SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2413-2416

TOPIC TAGS: potassium compound, phosphorus containing compound, transmission spectrum, IR spectrum, optic transmission, temperature dependence, diffraction grating, absorption band, dielectric constant, Curie point, ferroelectric property

ABSTRACT: This is a continuation of earlier work (FTT v. 7, 407, 1965) on the temperature dependence of the low-frequency Raman spectra of KH_2PO_4 and $\text{NH}_4\text{H}_2\text{PO}_4$. The present study was undertaken to refine the results in the excitation-wavelength region, where the results were distorted by ghosts due to the diffraction gratings. The authors determined the transmission spectra of a polycrystalline sample constituting a suspension of the powdered KH_2PO_4 crystal in paraffin in the frequency range 20--235 cm^{-1} at room temperature. The entire band was covered with two echelettes and 4 and 2 lines/mm, and in the 160--235 section of the spectrum the 4 lines/mm echelette was used in second order. The results are plotted in Fig. 1 of the Enclosure and confirm the previously observed broad absorption band at ~ 52

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L-6451-66

ACCESSION NR: AP5019858

cm⁻¹. The estimate of this vibration to the static dielectric constant is estimated to be ~6. The temperature variation of the transmission coefficient was measured in the range 295--150K. Although the experimental setup did not make it possible to reach the phase transition temperature (123K), it is deduced from the shift of the absorption band (~10 cm⁻¹ against the theoretical ~18 cm⁻¹) that the optical oscillations of KH₂PO₄ have an anomalous ferroelectric behavior near the Curie point. Orig. art. has: 2 figures and 2 formulas.

ASSOCIATION: Fizicheskii institut im. P. N. Lebedeva AN SSSR, Moscow (Institute of Physics AN SSSR)

SUBMITTED: 09Mar65

ENCL: 01

SUB CODE: EM, OP

NR REF SOV: 007

OTHER: 008

Card 2/3

L 6451-66

ACCESSION NR: AP5019858

ENCLOSURE: 01

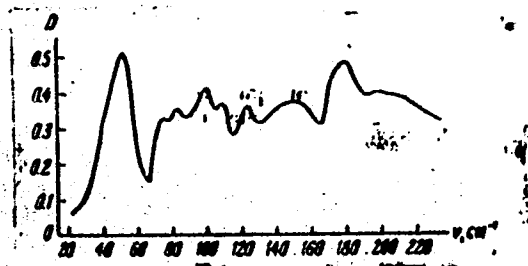


Fig. 1. Plot of optical density of KH_2PO_4 .

nw
Card 3/3

MIKHAL'TSEVICH, A.I.

Effect of cutting canals in sand overlying peat on their drainage function. Dokl. AN BSSR 4 no.10:424-427 '60. (MIRA 13:9)

1. Institut melioratsii i vodnogo khozyaystva Akademii sel'skokhozyaystvennykh nauk BSSR. Predstavleno akademikom AN BSSR F.P. Vinokurovym.

(Ditches)

ZUBETS, V.M., kand. tekhn. nauk (Minsk); MIKHAL'TSEVICH, A.I., kand. tekhn.
nauk (Minsk)

Effectiveness of the reconstruction of drainage systems. Gidr. i
mel. 16 no.7:40-46 J1 '64. (MIRA 17:11)

MIKHAL'TSEVICH, A.I.

Equations for determining the three-dimensional infiltration of ground waters by the finite differences method. Vestsi AN BSSR Ser. fiz.-tekh. na7. no. 1:137 '61. (MIRA 14:4)

(Water, Underground)

MIKHAL'TSOV, K.P.

Method of graphic registration of the contractions of the rumen and of the oesophageal canal in calves. *Fiziol.zhur.* 39 no.4:490-492 J1-Ag '53.

(MLBA 6:8)

1. Kafedra fiziologii sel'skokhozyaystvennykh zhivotnykh Omskogo veterinarnogo instituta. (Calves) (Rumination) (Recording instruments)

MIKHAIL TSOV

MIKHAIL'TSOV, K.P., kand.biol.nauk

Neural regulation of physiological processes in the rumen of
calves. Zhivotnovodstvo 19 no.11:64-65 N '57 (MIRA 10:12)

1. Yakutskiy nauchno-issledovatel'skiy institut sel'skogo khozyaystva.
(Calves) (Rumination) (Cerebral cortex)

COUNTRY : USSR
 CATEGORY : Political, Social, Cultural, Economic
 DATE : 1951-11, No. 4, 1951, No. 1-4
 AUTHOR : Andriyev, I. I.
 TITLE : On the question of the development of the
country's economy.
 ORIG. PUB. : Prilozheniye k zhurn. "Pravda", 1950,
no. 7, 44-57
 ABSTRACT : No abstract.

CARD: 1/1
 *Agriculture.

MIKHAL'TSOV, K.P.

Contractions of the forestomach in calves. Fiziol.zhur. 47 no.3:
349-355 Mr '61. (MIRA 14:5)

1. From the Man and Animal Physiology Chair of the State University,
Yakutsk.

(STOMACH)

DANYUK, A.A. ; MIKHAL'TSOV, P.D.

New equipment and advanced techniques of drilling boreholes in the
Krivoy Rog Basin. Sbor. nauch.trud. KGRI no.20(3):97-105 '63.
(MIRA 16:9)

L 9877-66 EMP(g)/EWT(m)/ETC/ENG(m)/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) LJP(c)
 ACC NR: AP5026784 JD/HW/JG/AT/WH SOURCE CODE: UR/0286/65/000/017/0070/0070

INVENTOR: Sominskaya, Z. M.; Nikitina, A. A.; Mikhal'tsova, V. D.

ORG: none

TITLE: Production of heat-resistant rhenum-tungsten alloy. Class 40, No. 174368
 [Announced by the state Scientific Research and Planning Institute of the Rare Metals
 Industry (Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometal-
 licheskoy promyshlennosti)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 70

TOPIC TAGS: rhenum alloy, tungsten containing alloy, heat resistant alloy

ABSTRACT: This Author Certificate introduces a method for the production of heat-resistant rhenum-tungsten alloy. To obtain alloy in the form of a coating, the process is carried out by electrolysis at 50-70C and 100-150 a/dm² for 5-15 min. in an electrolyte of the following composition (g/l.): ammonium or potassium perphenate 50-100, sodium tungstate 2-16, ammonium sulfate 100-200, and citric acid 100-150. To obtain alloy in the form a powder with a uniform distribution of tungsten, the process is continued for 15 min or more. [AZ]

SUB CODE: 11/ SUBM DATE: 13Feb64/ ATD PRESS: 4165

Card 1/1

UDC 621.357.9

L 13699-66 EWT(m)/EJA(d)/ENP(t)/ENP(a)/ENP(b) IJP(c) JD/HW/JG

ACC NR: AP6002584

SOURCE CODE: UR/0286/65/000/023/0076/0076

INVENTOR: Sominskaya, Z. M.; Nikitina, A. A.; Mikhal'tsova, V. D.

ORG: none

TITLE: Method of electrolytic deposition of heat-resistant alloy. Class 48.
No. 176769

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 76

TOPIC TAGS: electrolytic deposition, tungsten containing alloy, cobalt containing alloy, rhenium base alloy

ABSTRACT: This Author Certificate introduces a method of electrolytic deposition of heat-resistant alloy containing tungsten and cobalt. To obtain ternary Re-W-Co alloy in the form of a powder or a coating, the electrolysis is performed with a current density of 100 a/dm² at 50C in an electrolyte containing 10 g/l ammonium- or, potassium-perrhenate, 12 g/l tungsten in the form of a tungstate, 1-6 g/l cobalt in the form of a sulfate, and 250 g/l ammonium sulfate with ammonia to obtain an alkalinity of pH 10.
[ND]

SUB CODE: 11, 07 SUBM DATE: 13Feb64/ ATD PRESS: 4/85

Card 1/1 OR

UDC: 621.357.7:669.84'5'27'25

MIKHALYAK, S., Cand Phys-Math Sci -- "Study of transient radiation." Mos, 1961
(Mos Order of Lenin and Order of Labor Red Banner State ~~Sci~~ im M. V. Lomonosov.
Sci Res Inst of Nuclear Phys). (KL, 4-61, 184)

L 34481-66 EWT(1)

ALC NR: AFG016811

SOURCE CODE: UR/0367/66/003/001/0089/0098

AUTHOR: Mikhalyak, B.

ORIG: Lodz University (Lodzinskiy universitet)

TITLE: Experimental investigation of transition radiation

SOURCE: Yadernaya fizika, v. 3, no. 1, 1966, 89-98

TOPIC TAGS: transition radiation, electron interaction, light polarization, radiation intensity, angular distribution

ABSTRACT: This is apparently a summary of the author's dissertation (NIIFYAF 1111, 1961), and contains the results of an investigation of radiation produced when electrons with energies 6 - 60 kev are incident perpendicularly on a metallic target (Ag, Al, Ni). The experimental apparatus consisted of two parts, one producing the transition radiation and the other recording it. The electron source was an incandescent tungsten helix. The transition radiation from the target was passed through a polarizer to establish the plane and degree of polarization of the radiation, and through a lens to a photomultiplier or to a photographic camera. The transition radiation was produced either continuously or in pulses. The following quantities were measured: the absolute intensity, the polarization, the dependence of the radiation yield on the electron energy, and the angular distribution of the radiation energy in the optical part of the spectrum. The results were compared with the predictions of the Ginzburg and Frank theory of transition radiation. The

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L 34481-66

ACC NR: AP6016811

angular distribution and the radiation intensity were substantially dependent on the optical properties of the target, the yield from aluminum and nickel being respectively 70 and 55% of that of silver, whereas the theory predicts 93 and 70% respectively. This discrepancy indicates that the transition radiation produced by electrons on a metallic surface in vacuum is accompanied by extraneous effects which make a noticeable contribution to the total intensity of the measured radiation. Further research on the unpolarized part of the radiation is necessary to determine the nature of these effects. The author thanks A. Ye. Chudakov for suggesting the topic and directing the work, V. Ye. Pafomov for valuable advice and discussions, and the staff of the NIIFYA laboratory of MGU for help with the work. Orig. art. has: 7 figures, 4 formulas, and 1 table.

SUB CODE: 20/

SUBM DATE: 15Feb65/

OTH REF: 009 / SOV REF: 004/

Card

2/2 22

L 35875-66 IJP(c) AT
ACC NR: AP6020363

SOURCE CODE: PO/0045/66/029/006/0815/0820
116
B

AUTHOR: Mikhalyak, S.

ORG: Lodz University (Lodzinskiy universitet)

TITLE: Study of transition radiation in the optical part of the spectrum for oblique incidence of nonrelativistic electrons on a metallic surface

SOURCE: Acta physica polonica, v. 29, no. 6, 1966, 815-820

TOPIC TAGS: electron bombardment, optic spectrum, metal surface, transition radiation,
nonrelativistic electron

ABSTRACT: The radiation characteristics of electrons obliquely incident on the surface of a thick metallic target were measured in the optical part of the spectrum. Energy of electrons varied between 6 and 24 kev; beam current ranged from 1 to 20 ma. Results are plotted as curves of radiation intensity and angular distribution of transition radiation for various slopes of the target. Comparison of experimental results with expected theoretical characteristics shows that the latter fall within the experimental accuracy of the equipment. Observed incomplete linear polarization and drop in degree of polarization with increasing angle of slope of the target requires further detailed experimentation and discussion. The author thanks V. Ye. Pafomov for his interest in the work, reviewing the results, and valuable comments. Orig. [14]

art. has: 7 figures, 1 formula.

SUB CODE: 20/

SUBM DATE: 21Dec65/

ORIG REF: 014/

OTH REF: 003

SOV REF: 014/ ATD PRESS: 5036

Card 1/1 *lll*

OGOLEV, N.P.; ISAYEV, K.M., MIKHALIYAK, Ya.S., kand. yurid. nauk;
VOLKOV, M.I., kand. ekhn. nauk, KOROTKOV, V.S.;
LYUBIMOV, S.P., red.; KUROBOVA, N.D., tekhn. red.

[Trade-union group organizer & companion] Sputnik profgruppa...
[By] N.P.Ogolev i dr. Moskva, Profizdat, 1962. 288 p.
(MIRA 16110)

(Trade union ~~etc.~~ Handbooks, manuals, etc.)

CHURAYOV, S.I.; MIRA, Y. A.

Production of high-quality
kovskaya ore Dressing plant of the "Kavkaz" combine. Gor.
zhur. no.11,50-52 1963. MIRA, Y. A.

1. Gosudarstvennyy yadernyy, kachestvo yadernykh reaktivnykh
anomalii.

James H. Doolittle, Jr., M.A.,

M.A.,

of the

.

MIKHAIL'YANTS, A.A. (Andizhan)

Problem of pancreatic necrosis. Klin.med. 32 no.2:60-62 P '54.
(MLRA 7:5)

1. Iz khirurgicheskogo otdeleniya (sveduyushchiy P.P.II'inov)
Andizhanskoy oblastnoy bol'nitsy. (Pancreas--Diseases) (Necrosis)

MIKHAL'YANTS, A.A.

Surgical treatment of purulent pericarditis. Vest.khir.76
no.9:107 0 '55. (MLRA 9:1)

1. Iz khirurgicheskogo otdeleniya (zav.P.P.II'inov) Andishanskoy
oblastnoy bol'nitsy
(PERICARDIUM--SURGERY)

MIKHAL'YANTS, A.A. (UzSSR, gor. Andizhan, pr. Stalinn, d.94)

Tuberculosis of the stomach and duodenum. Vest.khir. 83 no.8:17-21
Ag '59. (MIRA 13:1)

1. Iz khirurgicheskogo otdeleniya (zav. - P.P. Il'inov) Andizhanskoy
oblastnoy bol'nitsy (gl. vrach - I.A. Alimov).
(TUBERCULOSIS, GASTROINTESTINAL surg.)

MIKHAL'YANTS, A.A.

Case of ancylostomiasis simulating gastroduodenal hemorrhage. Med.
zhur. Uzb. no.3:74-75 Mr '60. (MIRA 15:2)

1. Iz Andizhanskoy oblastnoy bol'nitsy (glavnyy vrach - I.A.Alimov).
(HOOKWORM DISEASE)

MIKHAL'YANTS, A.A.

Clinical picture of tuberculosis of the stomach and the duodenum.
Med. zhur. Uzb. no. 12:3-8 D '60. (MIRA 14:1)

1. Iz Andizhanskogo gosudarstvennogo meditsinskogo instituta.
(STOMACH—TUBERCULOSIS) (DUODENUM—TUBERCULOSIS)

MIKHAL'YANTS, A. A. (Krymskaya oblast')

Abdominal syndrome in the clinical picture of Schoenlein-Henoch disease. Klin. med. no.8:129-132 '61. (MIRA 15:4)

1. Iz Andizhanskogo meditsinskogo instituta (dir. - zasluzhennyy vrach Uzbeskoy SSR Yu. A. Alimov) i khirurgicheskogo otdeleniya (sav. - A. A. Mikhal'yants) Dzhankoyskoy rayonnoy bol'nitsy (glavnyy vrach S. L. TSeytlin) Krymskoy oblasti.

(PURPURA(PATHOLOGY)) (ABDOMEN—DISEASES)

MIKHAL'YANTS, A. A. (Krymskaya oblast', g. Dzhankoy, ul. Lenina, d.22)

Transscapular thoracic resection for chondrosarcoma of the
shoulder. Vop. onk. 8 no.5:107-108 '62. (MIRA 1':7)

1. Iz khirurgicheskogo otdeleniya (zav. - A. A. Mikhal'yants)
Dzhankoysskoy rayonnoy bol'nitsy (glav. vrach - S. L. TSeytlin)
Krymskoy oblasti.

(SHOULDER--CANCER) (CHEST--SURGERY)

MIKHAL'YANTS, A.A. (Krymskaya oblast', Dzhanskoy, ul. Lenina, d.22)

Isolated subcutaneous lesion of the gallbladder. Klin.khir. no.9:
74-75 S '62. (MIRA 16:5)

1. Khirurgicheskoye otdeleniye (zav. - A.A. Mikhal'yants) Dzhankoy
skoy rayonnoy bol'nitsy Krymskoy oblasti.
(GALL BLADDER—WOUNDS AND INJURIES)